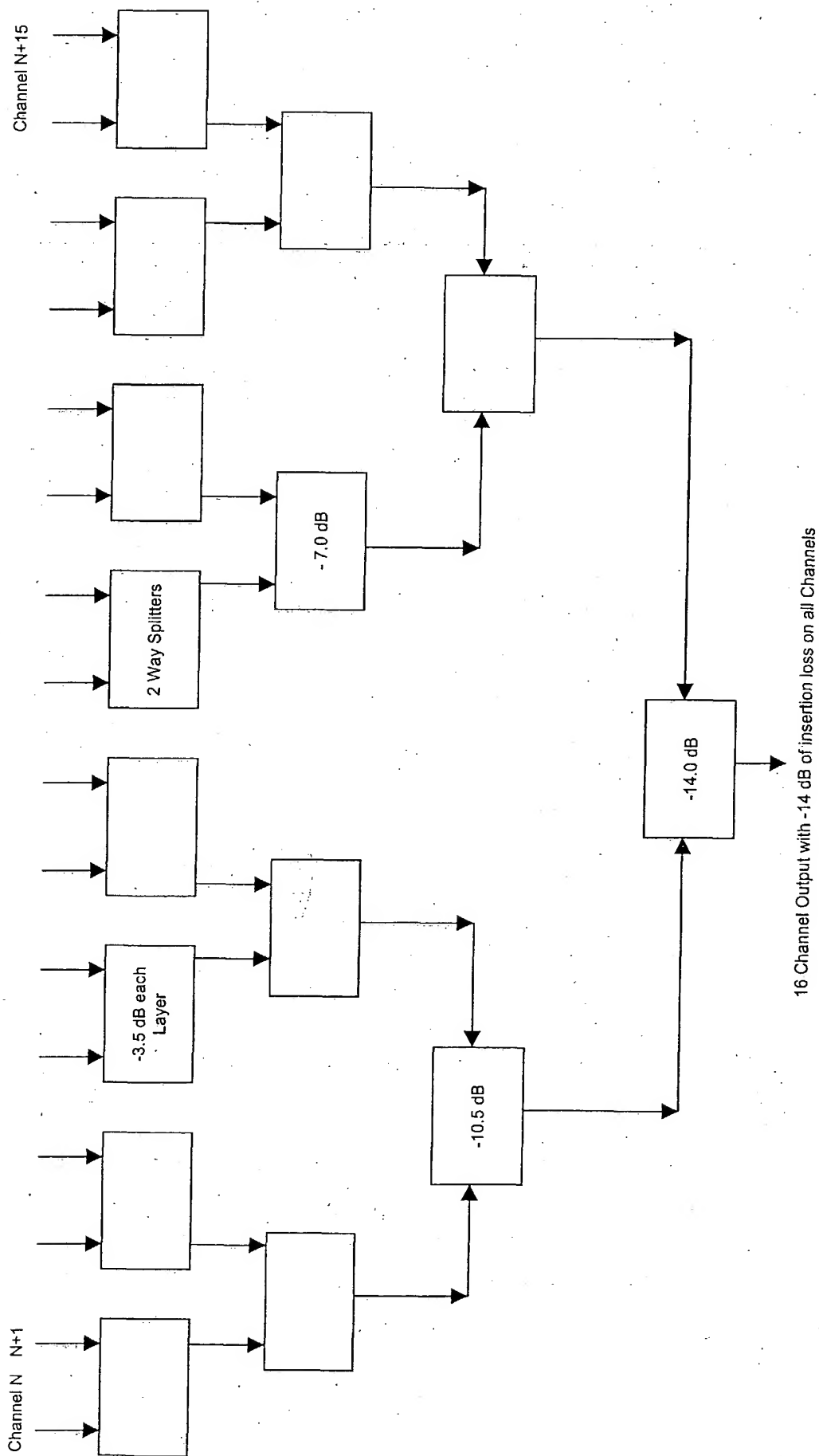
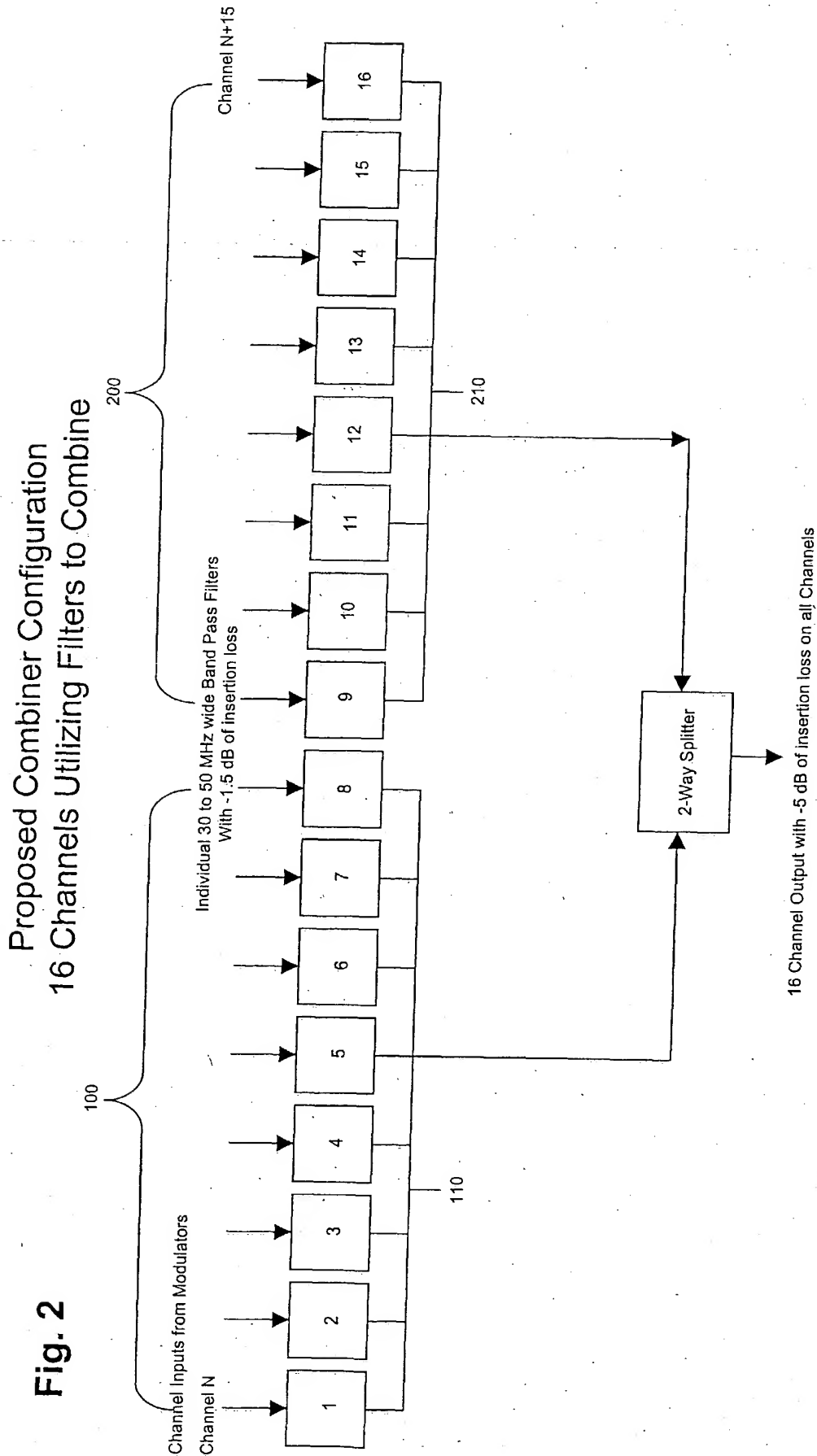


Standard Combiner Configuration  
16 Channels Utilizing Broad Band Splitters

Fig. 1





The filters remove any out of band noise or spurs developed by the modulators as well as provide the required isolation to combine the channels from many different sources onto a single signal conduit.

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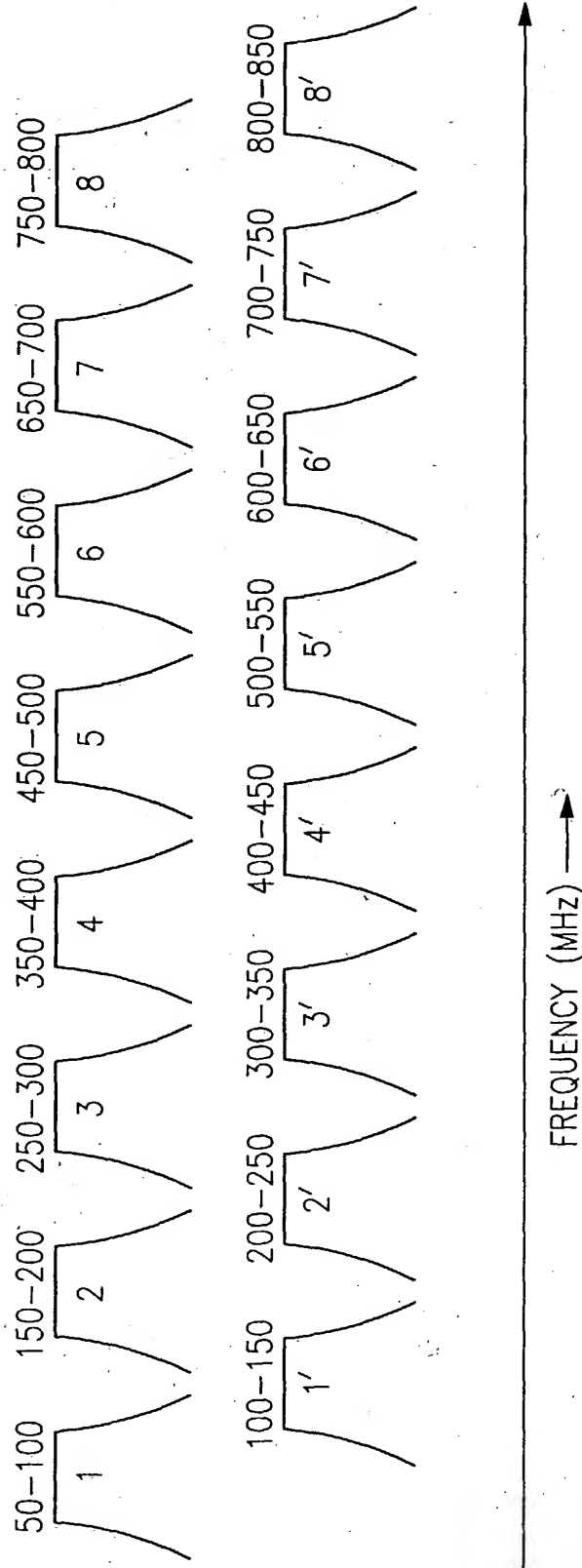


FIG.3

FIG. 4

Filter	Channel No.		Bandwidth
	CATV	TV	
	T7		5.75-11.75
	T8		11.75-17.75
	T9		17.75-23.75
	T10		23.75-29.75
	T11		29.75-35.75
	T12		35.75-41.75
	T13		41.75-47.75
1	TV - IF		40-46
	2	2	54-60
	3	3	60-66
	4	4	66-72
	5	5	76-82
	6	6	82-88
	FM		88-108
1'	A5	95	90-96
	A4	96	96-102
	A3	97	102-108
	A2	98	108-114
	A1	99	114-120
	A	14	120-126
	B	15	126-132
2	C	16	132-138
	D	17	138-144
	E	18	144-150
	F	19	150-156
	G	20	156-162
	H	21	162-168
	I	22	168-174
2'	7	7	174-180
	8	8	180-186
	9	9	186-192
	10	10	192-198
	11	11	198-204
	12	12	204-210
	13	13	210-216
3	J	23	216-222
	K	24	222-228
	L	25	228-234
	M	26	234-240
	N	27	240-246
	O	28	246-252
	P	29	252-258
3'	Q	30	258-264
	R	31	264-270
	S	32	270-276
	T	33	276-282
	U	34	282-288
	V	35	288-294
	W	36	294-300
	AA	37	300-306
	BB	38	306-312
	CC	39	312-318
	DD	40	318-324
	EE	41	324-330
	FF	42	330-336
	GG	43	336-342

Filter	Channel No.		Bandwidth
	CATV	TV	
3'	HH	44	342-348
4	II	45	348-354
	JJ	46	354-360
	KK	47	360-366
	LL	48	366-372
	MM	49	372-378
	NN	50	378-384
	OO	51	384-390
4'	PP	52	390-396
	QQ	53	396-402
	RR	54	402-408
	SS	55	408-414
	TT	56	414-420
	UU	57	420-426
	VV	58	426-432
5	WW	59	432-438
	XX	60	438-444
	YY	61	444-450
	ZZ	62	450-456
	AAA	63	456-462
	BBB	64	462-468
	CCC	65	468-474
5'	DDD	66	474-480
	EEE	67	480-486
	FFF	68	486-492
	GGG	69	492-498
	HHH	70	498-504
	III	71	504-510
	JJJ	72	510-516
6	KKK	73	516-522
	LLL	74	522-528
	MMM	75	528-534
	NNN	76	534-540
	OOO	77	540-546
	PPP	78	546-552
	QQQ	79	552-558
6'	RRR	80	558-564
	SSS	81	564-570
	TTT	82	570-576
	UUU	83	576-582
	VVV	84	582-588
	WWW	85	588-594
	XXX	86	594-600
7	YYY	87	600-606
	ZZZ	88	606-612
	89	89	612-618
	90	90	618-624
	91	91	624-630
	92	92	630-636
	93	93	636-642
	94	94	642-648
	100	100	648-654
	101	101	654-660
	102	102	660-666
	103	103	666-672
	104	104	672-678

Filter	Channel No.		Bandwidth
	CATV	TV	
7	105	105	678-684
7'	106	106	684-690
	107	107	690-696
	108	108	696-702
	109	109	702-708
	110	110	708-714
	111	111	714-720
	112	112	720-726
8	113	113	726-732
	114	114	732-738
	115	115	738-744
	116	116	744-750
	117	117	750-756
	118	118	756-762
	119	119	762-768
8'	120	120	768-774
	121	121	774-780
	122	122	780-786
	123	123	786-792
	124	124	792-798
	125	125	798-804
	126	126	804-810
	127	127	810-816
	128	128	816-822
	129	129	822-828
	130	130	828-834
	131	131	834-840
	132	132	840-846
	133	133	846-852
	134	134	852-858
	135	135	858-864
	136	136	864-870
	137	137	870-876
	138	138	876-882
	139	139	882-888
	140	140	888-894
	141	141	894-900
	142	142	900-906
	143	143	906-912
	144	144	912-918
	145	145	918-924
	146	146	924-930
	147	147	930-936
	148	148	936-942
	149	149	942-948
	150	150	948-954
	151	151	954-960
	152	152	960-966
	153	153	966-972
	154	154	972-978
	155	155	978-984
	156	156	984-990
	157	157	990-996
	158	158	996-1002

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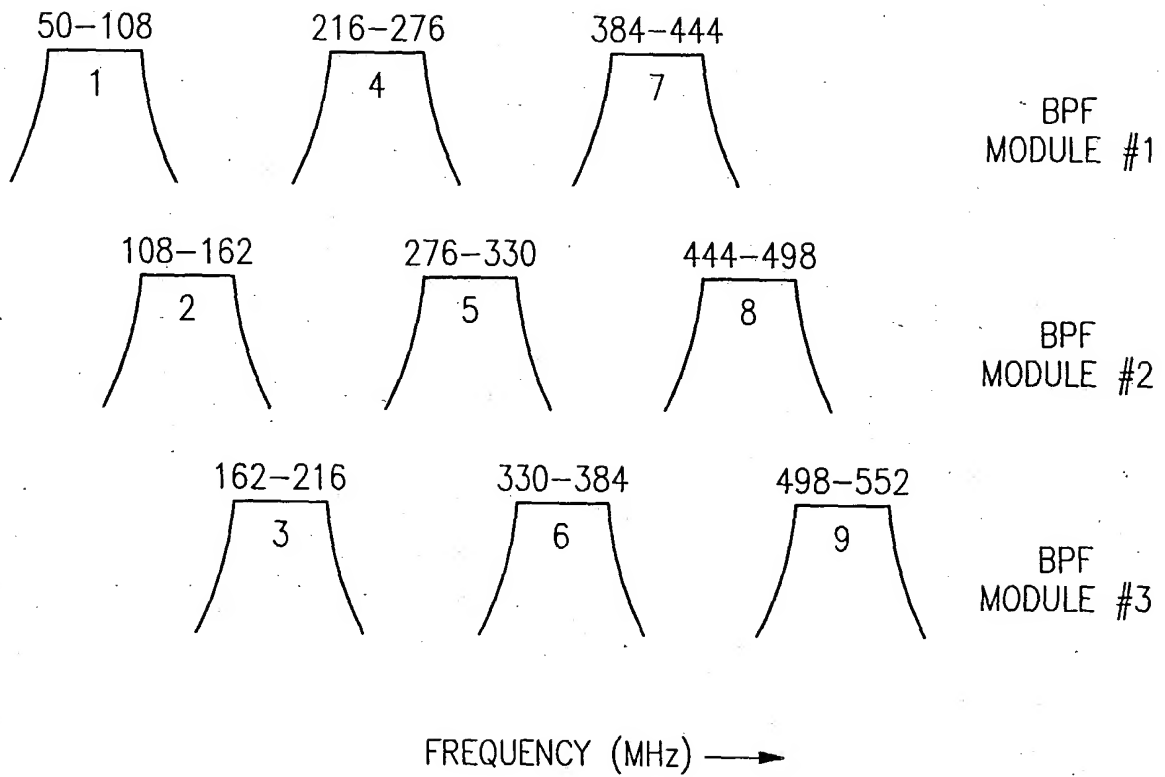


FIG.5

FIG. 6

Filter	Channel No.		Bandwidth
	CATV	TV	
	T7		5.75-11.75
	T8		11.75-17.75
	T9		17.75-23.75
	T10		23.75-29.75
	T11		29.75-35.75
	T12		35.75-41.75
	T13		41.75-47.75
	TV - IF		40-46
1	2	2	54-60
	3	3	60-66
	4	4	66-72
	5	5	76-82
	6	6	82-88
	FM		88-108
	A5	95	90-96
	A4	96	96-102
2	A3	97	102-108
	A2	98	108-114
	A1	99	114-120
	A	14	120-126
	B	15	126-132
	C	16	132-138
	D	17	138-144
	E	18	144-150
3	F	19	150-156
	G	20	156-162
	H	21	162-168
	I	22	168-174
	7	7	174-180
	8	8	180-186
	9	9	186-192
	10	10	192-198
4	11	11	198-204
	12	12	204-210
	13	13	210-216
	J	23	216-222
	K	24	222-228
	L	25	228-234
	M	26	234-240
	N	27	240-246
	O	28	246-252
	P	29	252-258
	Q	30	258-264
	R	31	264-270
	S	32	270-276

Filter	Channel No.		Bandwidth
	CATV	TV	
5	T	33	276-282
	U	34	282-288
	V	35	288-294
	W	36	294-300
	AA	37	300-306
	BB	38	306-312
	CC	39	312-318
	DD	40	318-324
6	EE	41	324-330
	FF	42	330-336
	GG	43	336-342
	HH	44	342-348
	II	45	348-354
	JJ	46	354-360
	KK	47	360-366
	LL	48	366-372
7	MM	49	372-378
	NN	50	378-384
	OO	51	384-390
	PP	52	390-396
	QQ	53	396-402
	RR	54	402-408
	SS	55	408-414
	TT	56	414-420
8	UU	57	420-426
	VV	58	426-432
	WW	59	432-438
	XX	60	438-444
	YY	61	444-450
	ZZ	62	450-456
	AAA	63	456-462
	BBB	64	462-468
9	CCC	65	468-474
	DDD	66	474-480
	EEE	67	480-486
	FFF	68	486-492
	GGG	69	492-498
	HHH	70	498-504
	III	71	504-510
	JJJ	72	510-516
	KKK	73	516-522
	LLL	74	522-528
	MMM	75	528-534
	NNN	76	534-540
	OOO	77	540-546
	PPP	78	546-552

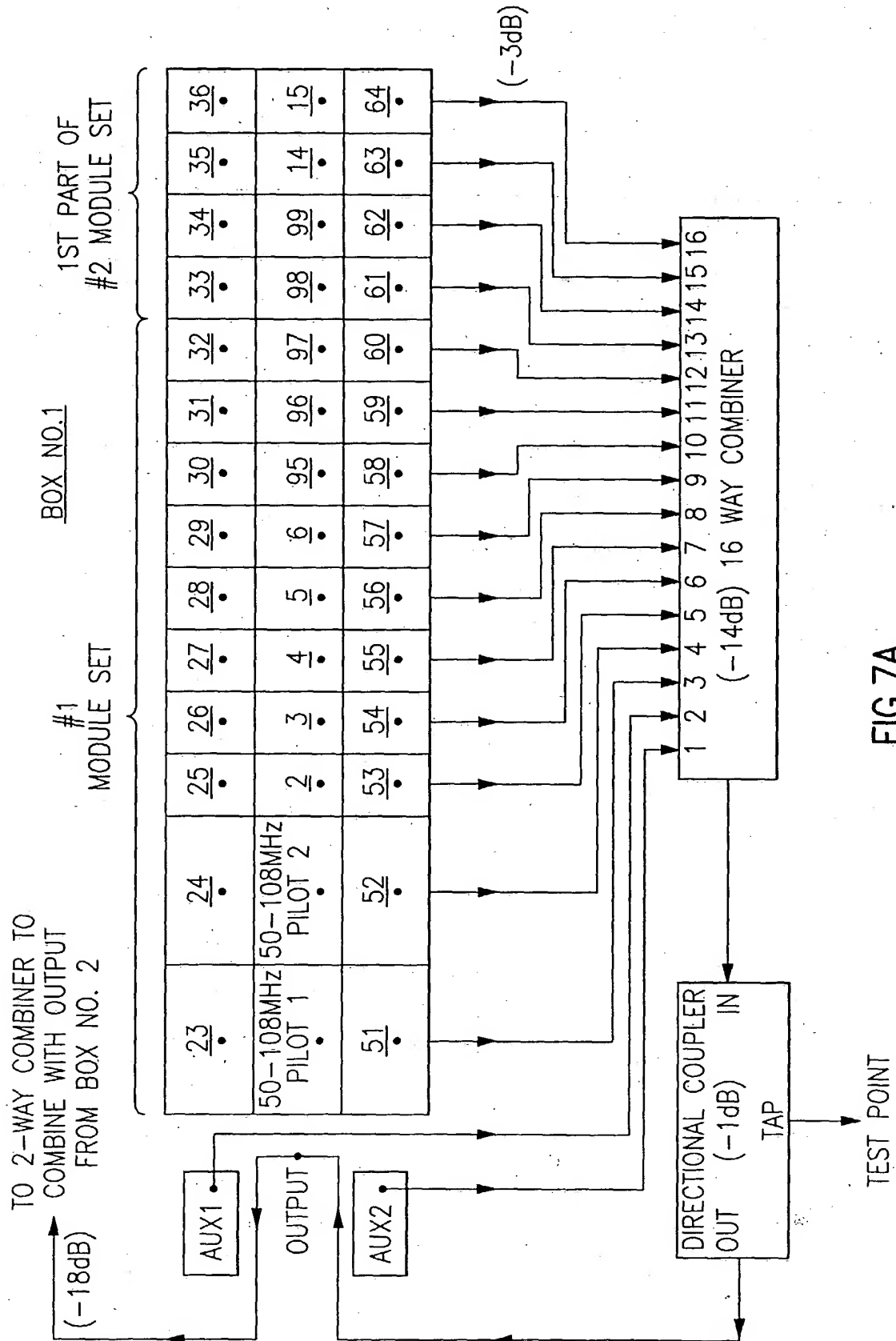
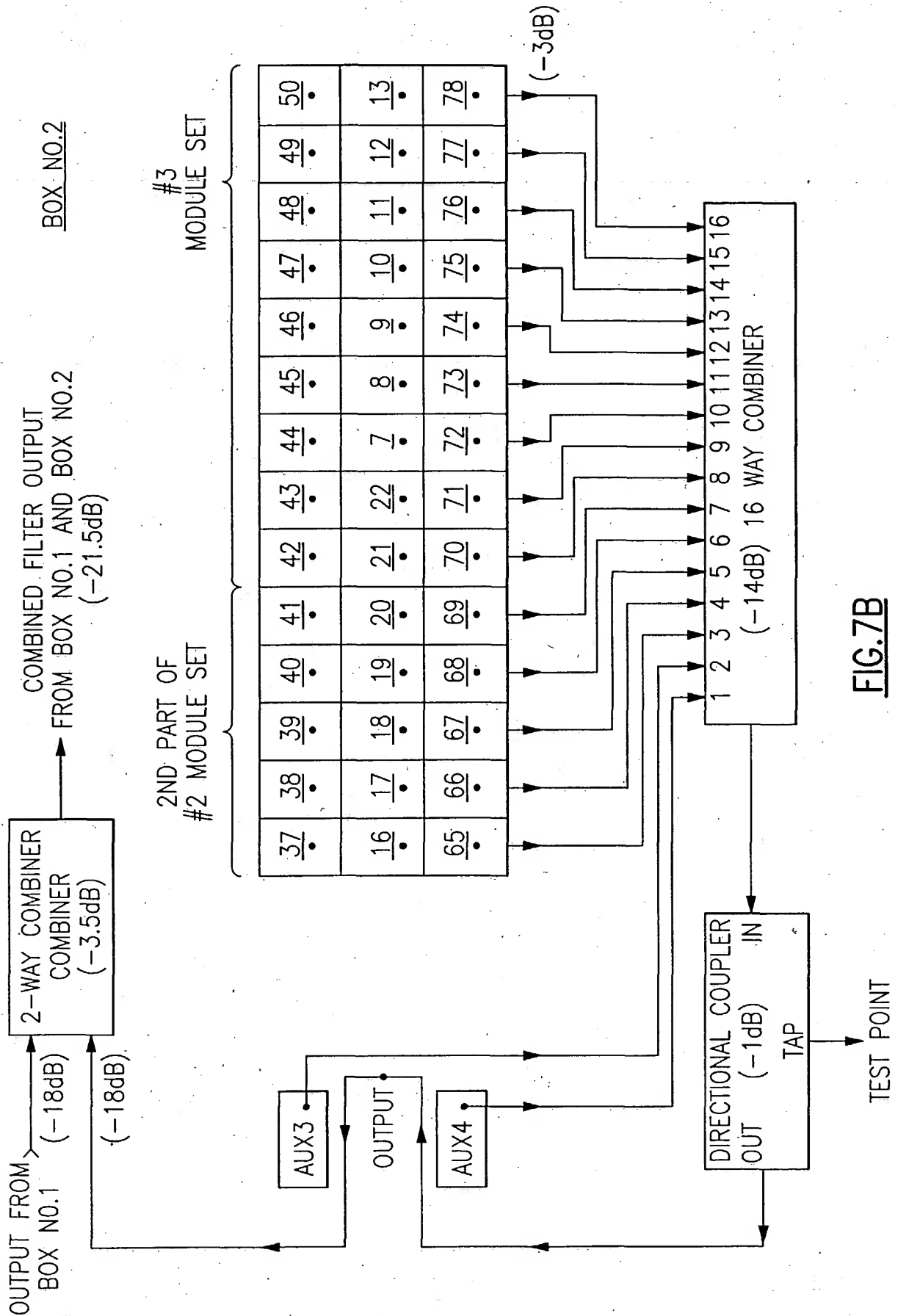


FIG. 7A





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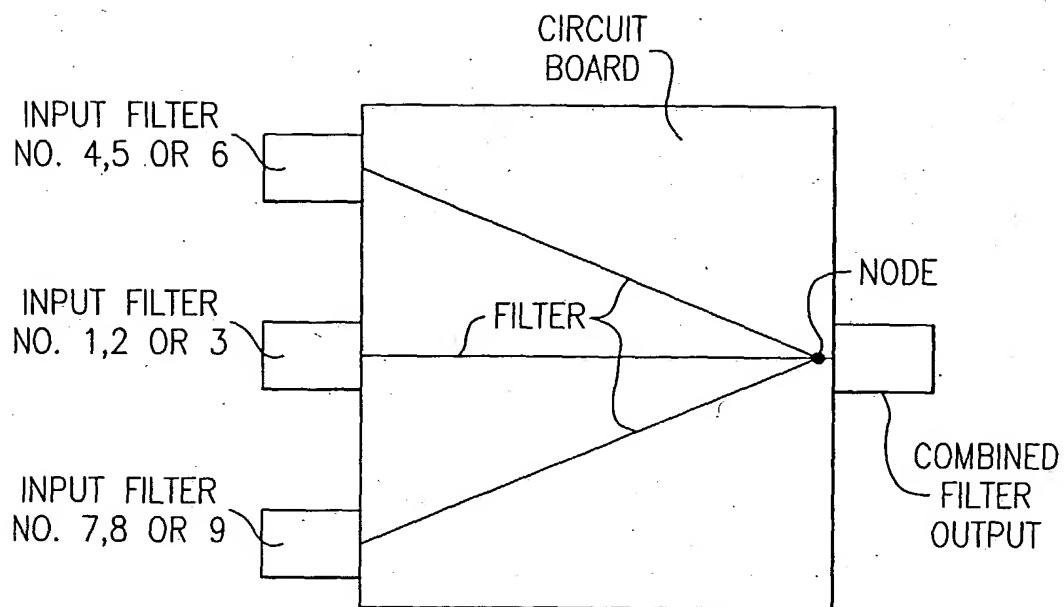


FIG.8

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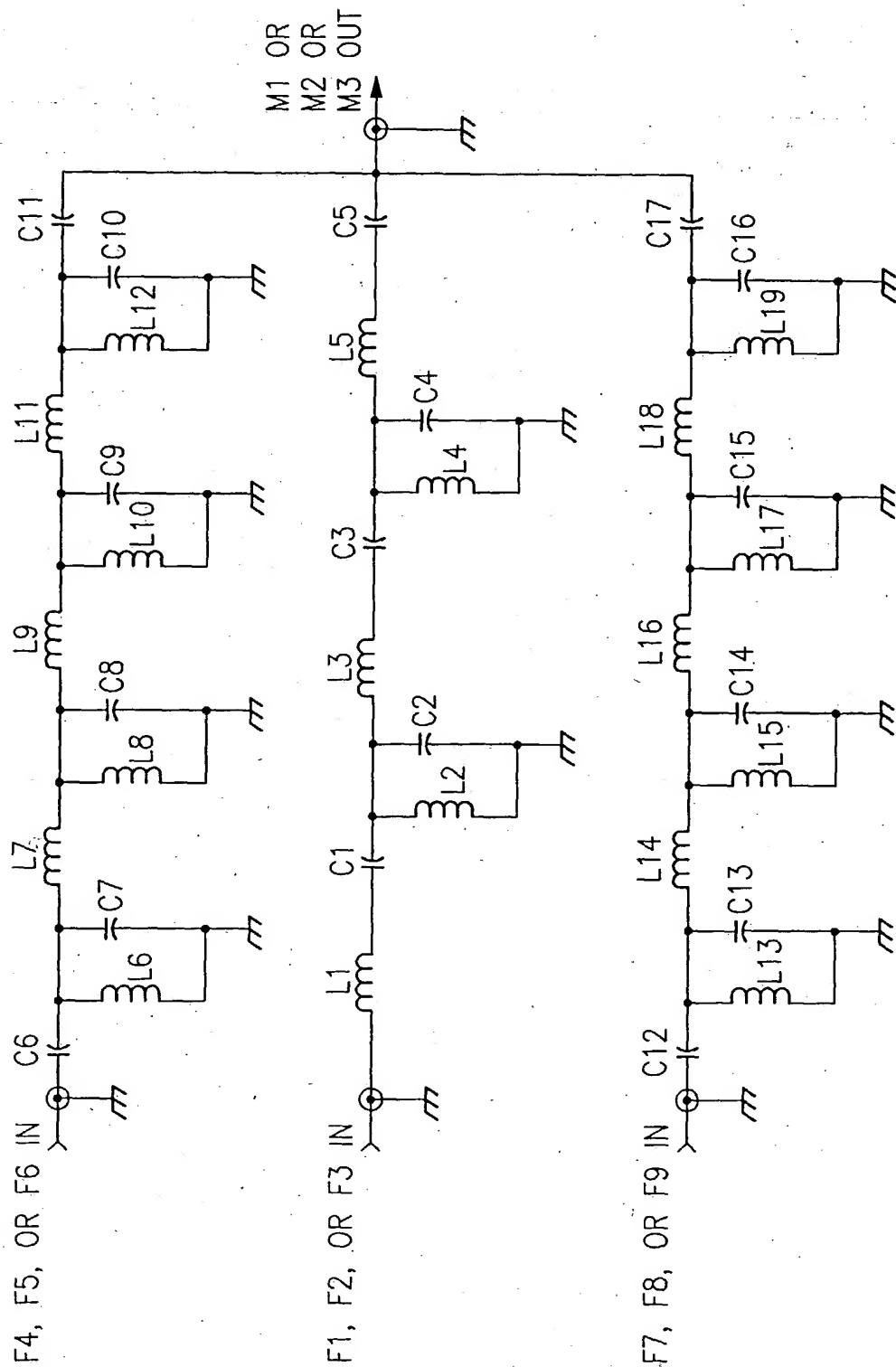


FIG. 9